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(54) Title: APPARATUS FOR THE PREVENTION OF BURGLARY		
(57) Abstract Apparatus for the prevention of burglary, comprising a housing containing a cassette recorder with means for plugging into the mains or connecting with a battery system, and provided with an endless cassette tape on which a day program of sounds which are substantially produced in the daytime by living creatures and objects has been recorded and/or with an endless cassette tape on which a night program composed of sounds are substantially produced at night by living creatures and objects has been recorded, and means for connecting the device with one or more amplifiers, provided with one or more loudspeakers.		

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Apparatus for the prevention of burglary

The invention relates to an apparatus for the prevention of burglary in buildings such as dwelling houses, offices and the like. Various apparatus are known for signaling attempts at burglary and burglaries, which produce alarm signals under certain circumstances. Thus, for instance, the opening of a protected door or window may trigger off a sound or light source or a silent alarm through the breaking of an electric contact, the interruption of an infrared ray or the generation of vibrations. Such protective apparatus are only energised by actions of the burglar himself when he has embarked upon his attempt at burglary or when the burglary has been committed. Also, it has been found that a number of apparatus may give a false alarm on account of the setting being faulty, inaccurate or even too precise, which must be considered a drawback. Moreover, such apparatus involve great expense in acquisition and installation.

It is the object of the present invention to provide an apparatus that is free from the abovementioned drawbacks and which, in addition, has such a terrifying effect on potential burglars that they will abandon their attempt at burglary. To this end, the apparatus, consists of a box or housing, containing a cassette recorder with means for plugging into the mains or connecting with a battery system and provided with an endless cassette tape on which a day program composed of sounds which are substantially produced in the daytime by living creatures and objects has been recorded and/or an endless cassette tape with a recording of a night program of sounds which are substantially produced at night by living creatures and objects, and means for connecting the apparatus with one or more amplifiers provided with one or more loudspeakers. The sounds of the day program derive from footsteps, a telephone which rings, is picked up and answered, the opening and closing of doors, the use of an electric shaver, the flushing of a toilet bowl, a working vacuum cleaner, a washing machine in operation, the washing of dishes and cutlery, the running of a faucet, the use of simple tools such as a

-2-

hammer or electric drill, and so forth.

The sounds of the night program derive from footsteps, the opening and closing of doors, the flushing of a toilet bowl, the crying of a child, followed by sounds suggesting that the child is being looked after, a
5 hacking or gasping cough, and so forth. The sounds for both the day and the night program may have been recorded singly and one after the other or together and at the same time. The day program has a maximum playing time of 60 minutes, at the end of which it is started afresh and repeated, whilst the night program has a maximum playing time of 30 minutes, at
10 the end of which it, too, is started anew and repeated. There is no limit to the number of repetitions possible.

The endless tape contains eight tracks divided into 4 x 2 for stereo or four tracks divided into 4 x 1 for mono reproduction. The switchover from the day to the night program takes place automatically, for
15 instance by means of a time switch or a light-sensitive cell.

Both the day and the night sound program may be recorded on a single tape, e.g. the day program on tracks 1 and 2, and the night program on tracks 3 and 4.

When the house is going to be left unattended the apparatus is switched
20 on by plugging the input into the mains, and connecting the output to an amplifier provided with one or more loudspeakers, preferably in stereophonic arrangement.

Preferably the apparatus is provided with a light-sensitive cell in order to switch the recorder from the day program to the night program when
25 darkness sets in, and back to the day program on sunrise. However, in a simpler and cheaper embodiment the apparatus is provided with a simple handswitch to select the desired sound program.

In a more sophisticated embodiment the recorder may be provided with a switching program so that various parts of the sound program are reproduced by different loudspeakers placed at some strategic points in the house to be protected.

- 5 A less expensive embodiment of the invention enables the use of detachable, separate cassette tapes, one with a day program and one with a night program, which have to be inserted into the apparatus by hand, depending on the intended period of use.



CLAIMS

1. An apparatus for the prevention of burglary, comprising a housing containing a cassette recorder with means for plugging into the mains or connecting with a battery system, and provided with an
5 endless cassette tape on which a day program of sounds which are substantially produced in the daytime by living creatures and objects has been recorded and/or with an endless cassette tape on which a night program composed of sounds are substantially produced at night by living creatures and objects has been recorded, and
10 means for connecting the device with one or more amplifiers, provided with one or more loudspeakers.
2. An apparatus for the prevention of burglary according to claim 1, characterised in that the sounds of the day program derive from footsteps, a telephone which rings, is picked up and answered, the
15 opening and closing of doors, the use of an electric shaver, the flushing of a toilet bowl, a working vacuum cleaner, a washing machine in operation, the washing of dishes and cutlery, the running of a faucet, the use of simple tools such as a hammer or an electric drill, and so forth.
- 20 3. An apparatus according to claim 1, characterised in that the sounds of the night program derive from footsteps, the opening and closing of doors, the flushing of a toilet bowl, the crying of a child followed by sounds suggesting that the child is being looked after, a hacking or gasping cough, and so forth.
- 25 4. An apparatus according to claims 1, 2 and 3, characterised in that the sounds for both the day and the night program have been recorded singly and one after the other or together and simultaneously.

5. An apparatus according to claims 1 and 2, characterised in that the program has a maximum playing time of 60 minutes, at the end of which it is started afresh and repeated.
6. An apparatus according to claims 1 and 3, characterised in that the night program has a maximum playing time of 30 minutes, at the end of which it is started anew and repeated.
7. An apparatus according to any one of the preceding claims, characterised in that the endless tape contains eight tracks divided into 4 x 2 for stereo or four tracks divided into 4 x 1 for mono reproduction.
8. An apparatus according to any one of the preceding claims, characterised in that it is provided with a light sensitive cell in order to switch the recorder from the day program to the night program when darkness sets in, and back to the day program on sunrise.
9. An apparatus according to any one of the preceding claims, characterised in that it is provided with a switching program so that various parts of the sound program are reproduced by different loudspeakers placed at some strategic points in the house to be protected.
10. A cassette with a tape on which various sounds commonly observed in dwelling houses have been recorded with the obvious intention that it shall be used in an apparatus according to any one of the preceding claims.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/NL 82/00046

I. CLASSIFICATION OF SUBJECT MATTER (If several classification symbols apply, indicate all) *

According to International Patent Classification (IPC) or to both National Classification and IPC

IPC³: G 08 B 15/00

II. FIELDS SEARCHED

Minimum Documentation Searched *

Classification System	Classification Symbols
IPC ³	G 08 B; G 11 B

Documentation Searched other than Minimum Documentation
to the Extent that such Documents are Included in the Fields Searched *

III. DOCUMENTS CONSIDERED TO BE RELEVANT ¹⁴

Category *	Citation of Document, ¹⁵ with indication, where appropriate, of the relevant passages ¹⁷	Relevant to Claim No. ¹⁸
X,Y	US, A, 3740737 (CARLESON) 19 June 1973, see the entire document --	1-3,8,10
Y	DE, A, 2220412 (KIENINGER & OBERGFELL FABRIK FÜR TECHNISCHE LAUFWERKE UND APPARATE) 20 December 1973, see claims 1-4 --	1-3,10
A	US, A, 3918087 (KORN) 4 November 1975, see column 1, line 56 to column 2, line 68 and claims -----	4,7

* Special categories of cited documents: ¹⁶

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IV. CERTIFICATION

Date of the Actual Completion of the International Search *

22nd March 1983

Date of Mailing of this International Search Report *

08 APR 1983

International Searching Authority ¹

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Signature of Authorized Officer ¹⁹

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